

DISCLAIMER: These Standard Operating Procedures (SOP's) are for the exclusive use of Navy Public Works Center (PWC) Norfolk. They are promulgated as guidance for their NAVFAC Commands. If intended to be used by other activities, they must be tailored to each activity's particular requirements and must be reviewed/approved by the activity's safety professionals prior to use.

PWC MUSE/MOBILE SUBSTATION DISCONNECT

Purpose:

SOP for disconnecting MUSE or Mobile Substations on Piers.

Potential Energy Sources:

Backfeed from ship, Primary 15 KV feed, capacitors on MUSE/Mobile Sub for breaker operation.

Tools and PPE:

Nomex coveralls, Nomex hoods, Class 2 gloves, face shield, shotgun stick, potential tester, spanner wrench, 7/16 and 9/16" wrenches, flat head screwdriver, grounds.

References:

1. OSHA 1910 safe working practices.
2. OSHA 1910.333 table S-5 approach distances.

Procedures:

1. Disconnect the ship and cable from the MUSE/Mobile Substation. Follow SOP for 480 Volt Ship Disconnect 622.5HVE7.
2. Have WC 622 lock and tag the primary feed to the MUSE/Mobile Sub. If the Primary feed can be grounded at the feeder have WC 622 ground the feed. Follow HV Lockout/Tagout.
3. Remove the primary covers on the MUSE/Mobile Sub and test the primary deenergized with a potential tester. Wear Nomex coveralls, Nomex hood, face shield, and Class 2 gloves.
4. If the system is not grounded, ground and tag the primary of the MUSE/Mobile Sub. Wear Nomex coveralls, Nomex hood, face shield, and Class 2 gloves.
5. Disconnect the PLM coupling from the receptacle. Disconnect the ground cable from the receptacle. Wear work gloves.

If the MUSE/Mobile Sub is connected to a pier vault follow appropriate vault entry procedures before entering the vault and have WC 624 remove the temporary taps on the primary switch.

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6. Disconnect the primary and secondary bus links if the MUSE/Mobile Sub is to be moved and is not equipped with flexible links. Wear work gloves.
7. If grounds were installed on the MUSE/Mobile Sub remove them. Wear work gloves.

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